

Form PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. UCT-0039	SERIAL NO. 10/656,868
Information Disclosure Statement by Applicant <i>(Use several sheets if necessary)</i>		APPLICANT WELLER et al.	
(37 cfr 1.98(b))	OCT 14 2003 JC25 PATENT & TRADEMARK OFFICE	FILING DATE September 4, 2003	GROUP 1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CH	4,736,866	04/12/1988	Leder et al.			
AB	4,853,230	08/01/1989	Lovgren et al.			
AC	4,873,191	10/10/1989	Wagner et al.			
AD	5,422,120	06/06/1995	Kim			
AB	5,714,353	02/03/1998	Pathak et al.			
CM	5,741,486	04/21/1998	Pathak et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AB	EP 0 225 189 B1	07.10.92	European				
AB	EP 0 465 529 B1	29.04.98	European				
AT	EP 0 524 968 B1	07.06.95	European				
AT	EP 0 827 545 B1	27.02.02	European				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)

CH	AB	Altschul et al., (1990), "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , Vol. 215, 403-410.
	AC	Altschul et al., (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", <i>Nucleic Acids Res.</i> , Vol. 25, No. 17, 3389-3402.
	AC	Better et al. (1988), "Escherichia coli Secretion of an Active Chimeric Antibody Fragment"; <i>Science</i> , Vol. 240, 1041-1043.
CM	AN	Bitter et al. (1987), "[33] Expression and Secretion Vectors of Yeast", <i>Methods in Enzymology</i> , Vol. 153, 516-544.

EXAMINER	DATE CONSIDERED
CM	9/23/05

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CH	5,945,339	08/31/1999	Holloman et al.			
AV	6,096,534	08/01/2000	Barsov et al.			
AV	6,140,111	10/31/2000	Riviere et al.			
AV	6,190,907	02/20/2001	Kim et al.			
CH	6,355,412	03/12/2002	Stewart et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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						YES	NO
AV	WO 91/16024	31.10.91	World				
AV	WO 91/16116	31.10.91	World				
AV	WO 91/17424	14.11.91	World				
AV	WO 95/13796	26.05.95	World				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)

CH	AX	Bradley et al., (1986), "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", <i>Current Topics in Dev. Biol.</i> , Vol. 20, 357-371.
	AV	Copeland, et al., (2001), "Recombineering: A Powerful New Tool For Mouse Functional Genomics", <i>Nat. Rev. Genet.</i> , Vol. 2, 769-779.
	AZ	Doetschman et al., (1985), "The <i>in vitro</i> development of blastocyst-derived embryonic stem cell lines: formation of visceral yolk sac, blood islands and myocardium, <i>J. Embryol. Exp. Mol. Biol.</i> , Vol. 87, 27-45.
CH	PA	Findeis et al., (1993), "Targeted delivery of DNA for gene therapy via receptors", <i>Trends in Biotechnol.</i> , Vol. 11, 202-205.

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CH/M. Ettem	9/23/05

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<i>CH</i>	<i>BB</i>	Friedman, et al., (2001), "Bacteriophage lambda: alive and well and still doing its thing" <i>Curr Opin Microbiol</i> ; Vol. 4, 201-207.			
<i>CH</i>	<i>BC</i>	Goldstein, et al., (1998), "The Exonuclease Activity of HSV-1 UL12 is Required for <i>in Vivo</i> Function"; <i>Virology</i> , Vol. 244, 442-457.			
<i>CH</i>	<i>BD</i>	Gordon, Jon W., (1989), "Transgenic Animals"; <i>International Review of Cytology</i> , Vol. 115, 171-229.			
<i>CH</i>	<i>BE</i>	Haensler et al., (1993), "Synthesis and Characterization of a Trigalactosylated Bisacridine Compound To Target DNA to Hepatocytes"; <i>Bioconjugate Chem</i> , Vol. 4, 85-93.			
<i>CH</i>	<i>BF</i>	Hill, et al., (2000); "BAC Trimming: Minimizing Clone Overlaps", <i>Genomics</i> , Vol. 64, 111-113.			
<i>CH</i>	<i>BG</i>	Ikari et al., (2001); " α 1-Proteinase Inhibitor, α 1-Antichymotrypsin, and α 2-Macroglobulin Are the Antiapoptotic Factors of Vascular Smooth Muscle Cells", <i>Journal of Biological Chemistry</i> , Vol. 276, No. 15, 11798-11803.			
<i>CH</i>	<i>BH</i>	Ioffe et al., (1995); "WW6: An embryonic stem cell line with an inert genetic marker that can be traced in chimeras"; <i>Proc. Natl. Acad. Sci.</i> , Vol. 92, 7357-7361.			
<i>CH</i>	<i>BI</i>	Karlin, et al., (1990); "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes"; <i>Proc. Natl. Acad. Sci., U.S.A.</i> , Vol. 87, 2264-2268.			
<i>CH</i>	<i>BJ</i>	Lavitrano et al., (1989); "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs; Genetic Transformation of Mice"; <i>Cell</i> , Vol. 57, 717-723.			
<i>CH</i>	<i>BK</i>	Ledley, et al., (1991); "Clinical Considerations in the Design of Protocols for Somatic Gene Therapy"; <i>Human Gene Therapy</i> , Vol. 2, 77-83.			
<i>CH</i>	<i>BL</i>	Ledley, et al., (1996); "Pharmaceutical Approach to Somatic Gene Therapy"; <i>Pharmaceutical Research</i> , Vol. 13, 1595-1613.			
<i>CH</i>	<i>BM</i>	Lee, et al., (2001); "A Highly Efficient <i>Escherichia coli</i> -Based Chromosome Engineering System Adapted for Recombinogenic Targeting and Subcloning of BAC DNA"; <i>Genomics</i> , Vol. 73, 56-65.			
EXAMINER <i>CH Patterson</i>		DATE CONSIDERED <i>9/23/05</i>			
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<i>CP</i>	<i>BN</i>	Legan et al, (1975); "Role of Estrogen as Initiator of Daily LH Surgers in the Ovariectomized Rat ^{1,2"; Endo;} Vol. 96, 50-56.			
	<i>PO</i>	Lo (1983); "Transformation by Iontophoretic Microinjectionof DNA: Multiple Integrations Without Tandem Insertions"; <i>Mol. Cell Biol.</i> , Vol. 3, No. 10, 1803-1814.			
	<i>BP</i>	Logan, et al., (1984); "Adenovirus tripartite leader sequence enhances transltion of nRNAs late after infection"; <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 81, 3655-3659.			
	<i>BQ</i>	Lowy, et al., (1980); "Isolation of Transforming DNA: Cloning the Hamster aprt Gene"; <i>Cell</i> , Vol. 22, 817-823.			
	<i>BR</i>	Muyrers, et al., (2000); "RecE/RecT and Red α /Red β initiate double-stranded break repair by specifically interacting with their respective partners"; <i>Genes & Dev.</i> , Vol. 14, 1971-1982.			
	<i>BS</i>	Muyrers, et al., (2000); "Point mutation of bacterial artificial chromosomes by ET recombination"; <i>EMBO Rep.</i> , Vol. 1, 239-243.			
	<i>BT</i>	Muyrers, et al., (2000); "ET-Cloninbg: Think Recombination First"; <i>Genetic Eng.</i> , Vol. 22, 77-98.			
	<i>BU</i>	Muyrers, et al., (1999); "Rapid modification of bacterial artificial chromosomes by ET-recombination"; <i>Nucleic Acids Res.</i> , Vol. 27, 1555-1557.			
	<i>BV</i>	Muyrers, et al., (2001); "Techniques: Recobminogenic engineering - new options for cloning and manipulting DNA"; <i>Trends in Biochemical Sciences</i> , Vol. 26, No. 5, 325-331.			
	<i>BW</i>	Resnick, et al., (1989); "The Pathophysiology of Urinary Incontinence Among Institutionalized Elderly Persons"; <i>The New England Journal of Medicine</i> ; Vol. 320, No. 1, 1-7.			
	<i>BX</i>	Salier, et al., (1996); "The inter- α -inhibitor family: from structure to regulation"; <i>Biochem Journal</i> ; Vol. 315, 1-9.			
<i>DM</i>	<i>BY</i>	Stow, N.D., (1992); "Herpes simplex virus type 1 origin-dependent DNA replication in insect cells using recombinant baculoviruses"; <i>J. Gen. Virol.</i> ; Vol. 73; 313-321.			
EXAMINER		<i>C. Miller</i>		DATE CONSIDERED	
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Off	B7	Szybalska, et al., (1962); "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait"; <i>Proc. Natl. Sci. USA</i> ; Vol. 48, 2026-2034.			
Off	CA	Thompson, et al., (1989); "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells"; <i>Cell</i> ; Vol. 56; 313-321.			
	CB	Yu, et al., (2000); "An efficient recombination system for chromosome engineering in <i>Escherichia coli</i> "; <i>Proc. Natl Acad. Sci USA</i> ; Vol. 97; 5978-5983.			
Off	CL	Van Der Putten, et al., (1985); "efficient insertion of genes into the mouse germ line via retroviral vectors"; <i>Proc. Natl. Acad. Sci. USA</i> ; Vol. 82; 6148-6152.			
	CD	Wigler et al., (1977); <i>Cell</i> ; Vol. 11, 233			
CP	CE	Wu et al., (1991); "Receptor-mediated Gene Delivery <i>in Vivo</i> "; <i>J. Biol. Chem.</i> ; Vol. 266, 14338-14342.			
	CF	Wu et al., (1988); "Receptor-mediated Gene Delivery and Expression <i>in Vivo</i> "; <i>J. Biol. Chem.</i> ; Vol. 263, No. 29, 14621-14624.			
	CG	Wu, et al., (1994); "Incorporation of Adenovirus into a Ligand-based DNA Carrier System Results in Retention of Original Receptor Specificity and Enhances Targeted Gene Expression"; <i>J. Biol. Chem.</i> ; Vol. 269, No. 15, 11542-11546.			
	CH	Zenke, et al., (1990); "Receptor-mediated endocytosis of transferrin-polycation conjugates: An efficient way to introduce DNA into hematopoietic cells"; <i>Proc. Natl. Acad. Sci. USA</i> ; Vol. 87, 3655-3659.			
	CI	Zhang, et al., (2000); "DNA cloning by homologous recombination in <i>Escherichia coli</i> "; <i>Nt. Biotechnol.</i> ; Vol. 18, 1314-1317.			
	CK	NCBI Sequence, Accession M20165; www.ncbi.nlm.nih.gov ; printed 8/15/2002.			
CM	CK	NCBI Sequence, Accession NP_044613; www.ncbi.nlm.nih.gov ; printed 8/15/2002.			
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<i>C. Ballou</i>		9/23/04			

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